

CLAIMS

What is claimed is:

1. A modularized circuit board mounting architecture for mounting a modularized circuit board to an enclosure, which comprises:

5 a substrate, which is used to accommodate the circuitry of the modularized circuit board;

a handle-equipped locking member, which is securely attached to one edge of the substrate, and which is formed with an elongated elastic portion and a handle portion, where the elongated elastic portion further includes a front-end pivot portion, a middle-
10 section hook portion, and a rear-end press-on portion, and the hook portion further includes a sliding surface and a stopper surface; wherein when the rear-end press-on portion is pressed on, it causes the elongated elastic portion to be pivotally pressed down about the pivot portion; and

a fixation structure, which is provided on the enclosure, and which includes a guide
15 structure and a supportive panel, where the supportive panel is formed with at least one locking hole corresponding to the hook portion of the elongated elastic portion on the handle-equipped locking member;

wherein

when the modularized circuit board is mounted in position inside the enclosure, the
20 hook portion of the elongated elastic portion on the handle-equipped locking member is hooked in the locking hole in the supportive panel on the enclosure, allowing the stopper surface to stop the modularized circuit board from being withdrawable and securely fix the modularized circuit board in position on the inside of the enclosure;

and wherein

when the rear-end press-on portion of the elongated elastic portion on the handle-equipped locking member is pressed on, it causes the hook portion of the elongated elastic portion to be released from the locking hole, allowing the modularized circuit board to be manually withdrawable from the enclosure.

2. The modularized circuit board mounting architecture of claim 1, wherein the modularized circuit board is an expansion card for a network server, and the enclosure is the network server's chassis.

3. The modularized circuit board mounting architecture of claim 1, wherein the modularized circuit board is an expansion card for a desktop computer, and the enclosure is the desktop computer's casing.

4. The modularized circuit board mounting architecture of claim 1, wherein the handle-equipped locking member is securely attached to the substrate by means of a fastening architecture which includes the forming of at least one engagement hole and at least one bolting hole in the substrate and the forming of at least one tongue portion and at least one bolting hole in the handle-equipped locking member; wherein the tongue portion of the handle-equipped locking member is engaged to the engagement hole in the substrate, and bolting means is inserted through the bolting hole in the handle-equipped locking member and the bolting hole in the substrate to fasten the handle-equipped locking member on the substrate.

5. The modularized circuit board mounting architecture of claim 1, wherein the handle-equipped locking member further includes a ring-shaped handle portion to assist manual withdrawal of the circuit board from the enclosure.

6. The modularized circuit board mounting architecture of claim 1, wherein the elongated elastic portion of the handle-equipped locking member is made of plastics.

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